

Oil Sample Analysis Report

**U. S. EPA Region VI
Case Number E013611**

**Marine Safety Laboratory
Case Number 13-119**



U.S. Department of
Homeland Security

**United States
Coast Guard**



Manager
U.S. Coast Guard
Marine Safety Laboratory

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16450
10 Apr 2013

U. S. Environmental Protection Agency
Attn: On-Scene Coordinator
1445 Ross Avenue, Fountain Place 12th Floor, Suite 1200
Mail Code: 6SF-PR
Dallas, TX 752022733

Dear On-Scene Coordinator:

The laboratory analysis of this case has been completed and our report is forwarded. The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request. We will maintain the oil samples in refrigerated storage pending final case disposition.

Questions concerning this report or the analytical methods used should be directed to the Supervisor of Analysis, Kristy Juare.


K. JUAIRE
By direction

Encl: (1) MSL Report 13-119

**United States Coast Guard
Marine Safety Laboratory
Oil Sample Analysis Report
13-119**

Requestor: U. S. EPA Region VI

Unit Case/Activity Number: E013611

Received: 08-Apr-13

Via: Federal Express 4735 5743 0448

Number Of Samples: 2

Lab NO. of Spills: 1

Lab NO. of Suspects: 2

Lab NO. of Background: n/a

Analysis Methods:

- ☒ GAS CHROMATOGRAPHY (GC)
- ☒ GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
- ☐ INFRARED SPECTROSCOPY (IR)

Laboratory's Conclusion (as explained below): MATCH

RESULTS:

1. Sample 13-119-1 was specified to be representative of spilled oil. Analysis indicates this sample contains heavy petroleum oil with characteristics most resembling those of crude oil. There is no indication of weathering present in sample 13-119-1.
2. Suspected source sample 13-119-2 contains crude oil with characteristics similar to those of sample 13-119-1. There are no "real" differences present between these samples.

CONCLUSIONS:

1. Suspected source sample 13-119-2 and spill sample 13-119-1 are derived from a common source of petroleum oil.

SUPERVISOR OF ANALYSIS

K. JUAIRE



DATE

10-Apr-13

**United States Coast Guard
Marine Safety Laboratory**

**Oil Spill Identification Analysis
Cost Recovery Documentation**

Laboratory Case Number: 13-119
Requestor: U. S. EPA Region VI
Unit Case Number: E013611
Number of Samples: 3
Cost Per Sample Prepared: \$20.00
Total Costs of Sample Preparation: \$60.00
Number of Analyses: 8
Cost Per Sample Analyzed: \$86.00
Total Costs for Analysis: \$688.00
TOTAL COSTS: \$748.00

This documentation is provided for purposes of Phase IV - Documentation and
Cost Recovery under the National Oil and Hazardous Substances Pollution
Contingency Plan (40 CFR Part 300)

Signature:



Date: 10 Apr 2013

**United States Coast Guard
Marine Safety Laboratory Sample
Check-In Log**

MSL Case/Activity Number: 13-119

Requestor: U. S. EPA Region VI

Unit Case Number E013611

Federal Project Number: E013611

Delivery Method: Federal Express

Received Date: 08 Apr 13

Delivery Number: 4735 5743 0448

Priority: No

Rush: No

Comparison No

Lab Number 13-119	Sample Descriptions from Sample Jars	Spill	Source
1	1 E013611-01 PL02-61-20130405- OIL FROM PIPELINE BREAK 04/05/2013 1400	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	2 E013611-02 PL02-61-20130405 - OIL FROM UPSTREAM PUMP STATION 04/05/2013 1456	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>
8		<input type="checkbox"/>	<input type="checkbox"/>
9		<input type="checkbox"/>	<input type="checkbox"/>
10		<input type="checkbox"/>	<input type="checkbox"/>
Remarks:			

Samples checked in by: MST3 ZACHARY COTE *Zachary A. Cote* **Date:** 08 Apr 13
Sample Custodian: MST3 MICHELLE KOSMO *Michelle Kosmo* **Date:** 10 Apr 13
Supervisor of Analysis: K. JUAIRE *Kristy Juarez* **Date:** 10 Apr 13